

Converting Colors

CIELCh(50, 68.702, 285.105)

Have a look what the booklet for
CIELCh(50, 68.702, 285.105)
contains.

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Color

CIELCh(50, 68.733, 285.121)

Conversions

Conversions Part 1

Format	Color
Hex	0574E9
RGB	5, 116, 233
RGB Percent	2%, 45%, 91%
CMY	0.9792, 0.5450, 0.0861
CMYK	0.98, 0.50, 0.00, 0.09
HSL	211°, 96%, 47%
HSV	211°, 98%, 91%
XYZ	21.0294, 18.4187, 79.5695
YIQ	96.1490, -103.7130, 12.8550

Conversions

Conversions Part 2

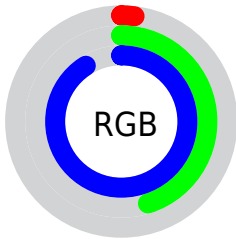
Format	Color
R _Y B	5, 80, 233
Decimal	357609
CIE Lab	50.00, 17.93, -66.35
CIE LCh	50, 68.733, 285.121
Yxy	18.4187, 0.1767, 0.1548
Android (android.graphics.Color)	4278547689 (0xFF0574E9)
YUV	96.1490, 67.4675, -79.9377
Hunter-Lab	42.9170, 12.3607, -79.8838

Details

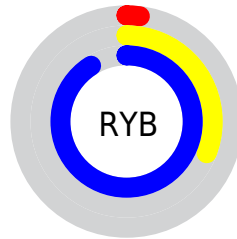
The CIELCh color **50, 68.733, 285.121** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **63, 78.361, 61.765**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.838, 277.159**, and **33, 66.862, 292.822** is the 20% darker color. If you saturate the color by 10%, you get **49, 70.400, 286.104**, and if you desaturate by 10%, it is **54, 61.617, 280.611**.

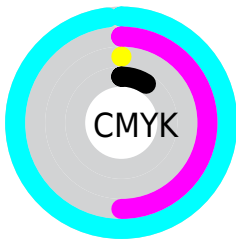
Distribution



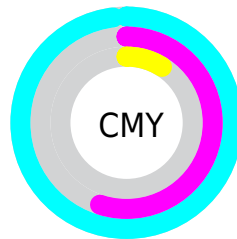
- Red (2%)
- Green (45%)
- Blue (91%)



- Red (2%)
- Yellow (31%)
- Blue (91%)



- Cyan (98%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)





- Cyan (98%)
- Magenta (55%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 68.733, 285.121 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 68.733, 285.121 by changing the saturation by 10% instead.


 50, 68.733,
285.121


 50, 68.733,
285.121


 100, 68.733,
285.121


 40, 68.733,
285.121


 70, 68.733,
285.121

 30, 68.733,
285.121


 80, 68.733,
285.121


 20, 68.733,
285.121

 90, 68.733,
285.121

 10, 68.733,
285.121

 0, 68.733, 285.121

 50, 68.733,
285.121

 50, 68.733,
285.121

■ 49, 70.400,
286.104

■ 54, 61.617,
280.611

■ 57, 54.702,
276.280

■ 62, 47.889,
272.333

■ 66, 41.078,
268.861

■ 70, 34.198,
265.877

■ 75, 27.212,
263.350

■ 79, 20.115,
261.225

■ 84, 12.921,
259.444

■ 89, 5.653, 257.974

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 68.733, 285.121



63, 78.361, 61.765

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 68.733, 285.121



50, 68.733, 335.121



50, 68.733, 105.121



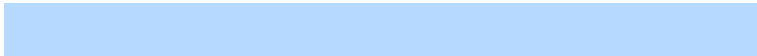
50, 68.733, 155.121

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 68.733, 285.123



85, 22.622, 261.505



82, 82.706, 149.282



43, 15.484, 262.393



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 68.733, 285.123



54, 75.743, 286.337



30, 123.970, 306.133



47, 4.180, 258.207



38, 57.319, 285.327



9, 21.084, 277.286

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 78.672, 3.066



55, 84.505, 4.294



90, 90.116, 102.883



46, 5.905, 345.160



39, 65.415, 3.245



8, 28.483, 356.269

Previews

White Background



This preview shows how the CIE LCh color 50, 68.733, 285.121 looks on a white background.

Color Contrast Check

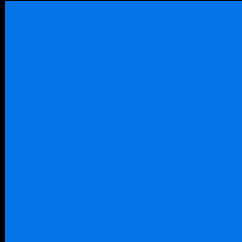
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 68.733, 285.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

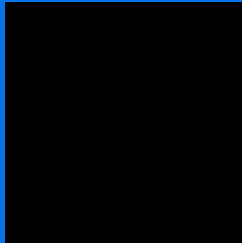
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

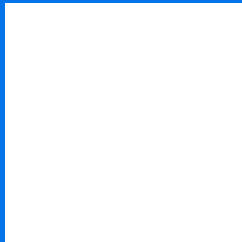
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 68.733, 285.121

Background



This preview shows how black text looks on a background with the CIELCh color 50, 68.733, 285.121.



This preview shows how white text looks on a background with the CIELCh color 50, 68.733, 285.121.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 68.733, 285.121

Protanomaly
50, 68.573, 286.352

Deuteranomaly
50, 59.035, 279.810

Tritanomaly
49, 35.367, 251.355

Monochromacy



Original Color
50, 68.733, 285.121

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 27.861, 268.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 68.733, 285.121 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(5, 116, 233)` looks like.

```
.text, #text, p{  
    color:rgb(5, 116, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(5, 116, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 116, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 68.733, 285.121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(5, 116, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(5, 116, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(5, 116, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 116, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 116, 233);  
box-shadow:4px 4px 4px 4px rgb(5, 116,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 68.733, 285.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 116, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(5, 116,  
233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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